

ABSTRACT

METHOD OF DETERMINING MEASUREMENT UNCERTAINTIES USING CIRCUIT SIMULATION

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A method of determining a measurement uncertainty of a test system uses a test system model having a plurality of uncertainty terms entered into a simulator. The test system model is run on the simulator a sufficient number of iterations while randomly varying each of a first portion of the plurality of uncertainty terms within probability

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distributions to produce a statistically significant number of results of a selected parameter. The results are evaluated to determine a measurement uncertainty of the selected parameter.